

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 9	
2. Amendment/Modification No. P00001		3. Effective Date 2003DEC30		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM WARREN BLDG 231 AMSTA-AQ-ABGD PAM KOSTOWNY (586)574-8899 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: KOSTOWNP@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA SAN ANTONIO 615 EAST HOUSTON STREET P.O. BOX 1040 SAN ANTONIO TX 78294-1040		Code S4404A	
				SCD C PAS NONE ADP PT HQ0339			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) SOUTHWEST RESEARCH INSTITUTE 6220 CULEBRA ROAD SAN ANTONIO, TX. 78238-0510 TYPE BUSINESS: Other Nonprofit				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-03-C-L090	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2003APR21	
Code 26401		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) Payment will be made by Electronic Funds Transfer ACRN: AC NET INCREASE: \$590,000.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.				The Changes Set Forth In Item 14 Are Made In	
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print) JOHN M. HOPFNER HOPFNERJ@TACOM.ARMY.MIL (586)574-7070	
15B. Contractor/Offoror _____ (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2003DEC30

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105-02

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

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	PIIN/SIIN DAAE07-03-C-L090 MOD/AMD P00001	
Name of Offeror or Contractor: SOUTHWEST RESEARCH INSTITUTE		

SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: Rapidly Installed Fluid Transfer System (RIFTS)

PURPOSE OF MODIFICATION: Incorporate additional effort and provide incremental funding

PREVIOUS NEGOTIATED CONTRACT VALUE: \$4,651,499.00

NEGOTIATED VALUE THIS ACTION: \$1,018,442.00

TOTAL NEGOTIATED CONTRACT VALUE: \$5,669,941.00

PREVIOUS OBLIGATED CONTRACT AMOUNT: \$4,651,499.00

OBLIGATED AMOUNT THIS ACTION: \$590,000.00

TOTAL OBLIGATED CONTRACT AMOUNT: \$5,241,499.00

1. This is a bilateral modification.
2. The purpose of this modification P00001 is to incorporate and incrementally fund a requirement to investigate and develop a High-Pressure Conduit for the RIFTS.
3. The attached paragraphs C.2.6 through C.2.6.e are hereby incorporated at a total negotiated amount of \$1,018,442.00.
4. As a result of the above, the negotiated cost is increased by \$974,800.00 from \$4,452,900.00 to \$5,427,700.00; the negotiated fee is increased by \$43,642.00 from \$198,599.00 to \$242,241.00; the total negotiated cost is increased by \$1,018,442.00 from \$4,651,499.00 to \$5,669,941.00.
5. As a result of the above, CLIN 000103 is established in the amount of \$590,000.00.
6. As a result, the contract obligation is increased by \$590,000.00 from \$4,651,499.00 to \$5,241,499.00.
7. As a result of the above, the attached clause B.3 "Funding Schedule" is incorporated.
8. As a result of the above, the attached clause B.4 "Funding-Limitation of Cost/Funds" is incorporated.
9. As a result of the above, and in accordance with the contractor's request, clause H.18 Government Furnished Property, is hereby incorporated.
10. Except as provided herein, all other terms and conditions remain unchanged.

*** END OF NARRATIVE A 001 ***

Name of Offeror or Contractor: SOUTHWEST RESEARCH INSTITUTE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
0001	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>RIFTS</u></p> <p>NOUN: RIFTS TECHNOLOGY DEMONSTRATOR SECURITY CLASS: Unclassified</p> <p>Contractor shall furnish all the supplies and services to accomplish the task specified in Section C Scope of Work.</p> <p>Estimated Cost: \$5,427,700.00 Fixed Fee: \$ 242,241.00 Total Cost: \$5,669,941.00</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table><tr><td>DLVR SCH</td><td></td><td>PERF COMPL</td></tr><tr><td><u>REL CD</u></td><td><u>QUANTITY</u></td><td><u>DATE</u></td></tr><tr><td>001</td><td>1</td><td>31-AUG-2005</td></tr></table> <p>\$ 5,669,941.00</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	31-AUG-2005	1	LO		\$ 5,669,941.00
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	1	31-AUG-2005												
000101	<p><u>RIFTS</u></p> <p>NOUN: RIFTS PRON: E132C259EH PRON AMD: 03 ACRN: AA AMS CD: 643804K4100 (AMOUNT: \$ 2,000,000.00)</p>													
000102	<p><u>RIFTS</u></p> <p>NOUN: RIFTS PRON: E132C260EH PRON AMD: 03 ACRN: AB AMS CD: 654804L4100 (AMOUNT: \$ 2,651,499.00)</p>													
000103	<p><u>RIFTS</u></p> <p>NOUN: RIFTS-HIGH PRESSURE TEST</p>													

CONTINUATION SHEET

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Name of Offeror or Contractor: SOUTHWEST RESEARCH INSTITUTE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	PRON: P146R0112T PRON AMD: 01 ACRN: AC AMS CD: 654804L4100 (AMOUNT: \$ 590,000.00)				

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B.3 Funding Schedule

B.3.1 The Government shall provide funds under this contract covering the estimated cost and fee hereof on an incremental basis as provided for in the following funding schedule and pursuant to the Contract Clause entitled LIMITATION OF FUNDS. It is estimated that the incremental amounts are sufficient for the performance of work in each of the cited periods. The Government may, at its discretion, allot such funds on an incremental basis within each fiscal year. The contractor shall so plan and execute the work required by this contract as to expend and/or commit funds compatible with the schedule set forth below. Whenever the contractor has reason to believe that the funds allotted to this contract for any fiscal year are either insufficient or excessive for the performance of work required in that fiscal year, the Government shall be so notified.

B.3.2 Funding Schedule

Performance Period	Amount
FY03 - Award through December 2003	\$5,241,499.00
FY04 - March 2004 through Completion	\$ 428,442.00

B.3.3 Funds Allotted. The amount of funds currently allotted to this contract is \$5,241,499.00.

*** END OF NARRATIVE B 003 ***

B.4 Funding-Limitation of Cost/Funds:

B.4.1 This contract was fully funded when it was awarded. With the incorporation of additional scope of work via modification P00001, the contract became incrementally funded with respect to the effort added to Section C by this modification P00001.

B.4.2 While this contract is incrementally funded, FAR 52.232-20 "Limitation of Cost" shall apply.

B.4.3 While the contract is fully funded, FAR 52.232-22 "Limitation of Funds" shall apply.

*** END OF NARRATIVE B 004 ***

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.2.6 Develop High-Pressure Conduit.

C.2.6.a The contractor shall investigate and develop a High-Pressure Conduit. The contractor shall conduct all the necessary research and testing to develop a conduit with working pressure of 750 psi and with a burst pressure of 2250 psi. Except for these pressure requirements, the high-pressure conduit shall meet all other requirements stated in paragraphs 3.3.1.1 and 3.3.1.1.1 of the performance specification.

C.2.6.b The contractor shall develop a separate Test Plan that, when performed, will demonstrate whether the high-pressure conduit can meet all of the requirements stated in paragraphs 3.3.1.1 and 3.3.1.1.1 of the performance specification, with a working pressure of 750 psi and with a burst pressure of 2250 psi. The contractor shall submit this test plan to the COR within 60 days after award of modification P00001. The COR will review this test plan and provide comments within 5 working days after receipt. The contractor shall test the high-pressure conduit IAW this test plan. Additionally, the Contractor Testing of the integrated RIFTS TDM, required by paragraph C.2.3.2 shall apply.

C.2.6.c The contractor shall select up to five (5) vendors from whom to obtain High-Pressure Conduit samples; each of these vendors shall have the ability to provide production quantities of its high-pressure conduit if selected for approval. The contractor shall obtain three 20-foot sections (each section may be approximate but the three sections must total a minimum of 60 feet), and one (1) 1/4-mile section from each. The contractor shall test the samples from these vendors in accordance with the test plan described in C.2.6.b, above. Based on the test results, the contractor shall select for approval up to two (2) vendors that best demonstrate the capability to produce High-Pressure Conduit meeting all the required performance specifications. In the event none of the High-Pressure Conduit samples meet all the performance specifications, the contractor shall notify the COR and provide the advantages and disadvantages of the two most highly rated vendor samples.

C.2.6.d The requirements of paragraph C.2.2.1.7, Critical Design Review, apply to this section C.2.6.

C.2.6.e TACOM will provide one IDPS pumping unit and one 6-inch IDPS gate valve, no later than 29 February 2004, to support the high-pressure conduit development and effort.

*** END OF NARRATIVE C 006 ***

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>	ACRN	OBLG STAT/ <u>JOB ORD NO</u>		<u>PRIOR AMOUNT</u>		INCREASE/DECREASE <u>AMOUNT</u>		CUMULATIVE <u>AMOUNT</u>
000103	P146R0112T 654804L4100	AC	2 4ZCP21	\$	0.00	\$	590,000.00	\$	590,000.00
					NET CHANGE	\$	590,000.00		
SERVICE	NET CHANGE						ACCOUNTING	INCREASE/DECREASE	
<u>NAME</u>	<u>BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>					<u>STATION</u>	<u>AMOUNT</u>	
Army	AC	21	42040000041C1C09P654804255Y	S20113				\$	590,000.00
					NET CHANGE	\$	590,000.00		
		<u>PRIOR AMOUNT</u>			<u>INCREASE/DECREASE</u>			<u>CUMULATIVE</u>	
		<u>OF AWARD</u>			<u>AMOUNT</u>			<u>OBLIG AMT</u>	
NET CHANGE FOR AWARD:		\$	4,651,499.00	\$	590,000.00	\$	5,241,499.00		

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.18 Government Furnished Property (GFP):

The Government will provide the following item(s) to the contractor as Government furnished property:

<u>Quantity</u>	<u>Noun</u>	<u>NSN</u>
One each	IDPS pumping unit (800 gpm pump)	4320-01-441-1086
One each	IDPS gate valve (6-inch)	4820-01-288-4639

*** END OF NARRATIVE H 001 ***

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SECTION I - CONTRACT CLAUSES

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1 ADDED	52.232-22	LIMITATION OF FUNDS	APR/1984